

of the national stage (§ 1.491) or the filing of an application under 35 U.S.C. 111(a) which claims benefit of the international application. Any omitted portion of the international application which applicant desires to be effective as to all designated States, subject to PCT Rule 20.8(b), must be submitted in accordance with PCT Rule 20.

(3) If an application is not otherwise entitled to a filing date under § 1.53(b), the amendment must be by way of a petition pursuant to this paragraph accompanied by the fee set forth in § 1.17(f).

(b) Except as provided in paragraph (a) of this section, an incorporation by reference must be set forth in the specification and must:

(1) Express a clear intent to incorporate by reference by using the root words “incorporate” and “reference” (e.g., “incorporate by reference”); and

(2) Clearly identify the referenced patent, application, or publication.

(c) “Essential material” may be incorporated by reference, but only by way of an incorporation by reference to a U.S. patent or U.S. patent application publication, which patent or patent application publication does not itself incorporate such essential material by reference. “Essential material” is material that is necessary to:

(1) Provide a written description of the claimed invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same, and set forth the best mode contemplated by the inventor of carrying out the invention as required by the first paragraph of 35 U.S.C. 112;

(2) Describe the claimed invention in terms that particularly point out and distinctly claim the invention as required by the second paragraph of 35 U.S.C. 112; or

(3) Describe the structure, material, or acts that correspond to a claimed means or step for performing a specified function as required by the sixth paragraph of 35 U.S.C. 112.

(d) Other material (“Nonessential material”) may be incorporated by reference to U.S. patents, U.S. patent ap-

plication publications, foreign patents, foreign published applications, prior and concurrently filed commonly owned U.S. applications, or non-patent publications. An incorporation by reference by hyperlink or other form of browser executable code is not permitted.

(e) The examiner may require the applicant to supply a copy of the material incorporated by reference. If the Office requires the applicant to supply a copy of material incorporated by reference, the material must be accompanied by a statement that the copy supplied consists of the same material incorporated by reference in the referencing application.

(f) Any insertion of material incorporated by reference into the specification or drawings of an application must be by way of an amendment to the specification or drawings. Such an amendment must be accompanied by a statement that the material being inserted is the material previously incorporated by reference and that the amendment contains no new matter.

(g) An incorporation of material by reference that does not comply with paragraphs (b), (c), or (d) of this section is not effective to incorporate such material unless corrected within any time period set by the Office, but in no case later than the close of prosecution as defined by § 1.114(b), or abandonment of the application, whichever occurs earlier. In addition:

(1) A correction to comply with paragraph (b)(1) of this section is permitted only if the application as filed clearly conveys an intent to incorporate the material by reference. A mere reference to material does not convey an intent to incorporate the material by reference.

(2) A correction to comply with paragraph (b)(2) of this section is only permitted for material that was sufficiently described to uniquely identify the document.

[69 FR 56539, Sept. 21, 2004, as amended at 72 FR 51563, Sept. 10, 2007]

§ 1.58 Chemical and mathematical formulae and tables.

(a) The specification, including the claims, may contain chemical and mathematical formulae, but shall not

contain drawings or flow diagrams. The description portion of the specification may contain tables, but the same tables may only be included in both the drawings and description portion of the specification if the application was filed under 35 U.S.C. 371. Claims may contain tables either if necessary to conform to 35 U.S.C. 112 or if otherwise found to be desirable.

(b) Tables that are submitted in electronic form (§§ 1.96(c) and 1.821(c)) must maintain the spatial relationships (e.g., alignment of columns and rows) of the table elements when displayed so as to visually preserve the relational information they convey. Chemical and mathematical formulae must be encoded to maintain the proper positioning of their characters when displayed in order to preserve their intended meaning.

(c) Chemical and mathematical formulae and tables must be presented in compliance with § 1.52(a) and (b), except that chemical and mathematical formulae or tables may be placed in a landscape orientation if they cannot be presented satisfactorily in a portrait orientation. Typewritten characters used in such formulae and tables must be chosen from a block (nonscript) type font or lettering style having capital letters which should be at least 0.422 cm. (0.166 inch) high (e.g., preferably Arial, Times Roman, or Courier with a font size of 12), but may be no smaller than 0.21 cm. (0.08 inch) high (e.g., a font size of 6). A space at least 0.64 cm. (1/4 inch) high should be provided between complex formulae and tables and the text. Tables should have the lines and columns of data closely spaced to conserve space, consistent with a high degree of legibility.

[69 FR 56540, Sept. 21, 2004]

§ 1.59 Expungement of information or copy of papers in application file.

(a)(1) Information in an application will not be expunged, except as provided in paragraph (b) of this section or § 41.7(a) of this title.

(2) Information forming part of the original disclosure (*i.e.*, written specification including the claims, drawings, and any preliminary amendment specifically incorporated into an executed oath or declaration under §§ 1.63

and 1.175) will not be expunged from the application file.

(b) An applicant may request that the Office expunge information, other than what is excluded by paragraph (a)(2) of this section, by filing a petition under this paragraph. Any petition to expunge information from an application must include the fee set forth in § 1.17(g) and establish to the satisfaction of the Director that the expungement of the information is appropriate in which case a notice granting the petition for expungement will be provided.

(c) Upon request by an applicant and payment of the fee specified in § 1.19(b), the Office will furnish copies of an application, unless the application has been disposed of (*see* §§ 1.53(e), (f) and (g)). The Office cannot provide or certify copies of an application that has been disposed of.

[68 FR 38628, June 30, 2003, as amended at 69 FR 49999, Aug. 12, 2004; 69 FR 56540, Sept. 21, 2004]

§§ 1.60–1.62 [Reserved]

OATH OR DECLARATION

§ 1.63 Oath or declaration.

(a) An oath or declaration filed under § 1.51(b)(2) as a part of a nonprovisional application must:

(1) Be executed, *i.e.*, signed, in accordance with either § 1.66 or § 1.68. There is no minimum age for a person to be qualified to sign, but the person must be competent to sign, *i.e.*, understand the document that the person is signing;

(2) Identify each inventor by full name, including the family name, and at least one given name without abbreviation together with any other given name or initial;

(3) Identify the country of citizenship of each inventor; and

(4) State that the person making the oath or declaration believes the named inventor or inventors to be the original and first inventor or inventors of the subject matter which is claimed and for which a patent is sought.

(b) In addition to meeting the requirements of paragraph (a) of this section, the oath or declaration must also: